

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	1	(acrylated adj amine) and succinimide	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 11:30
S4	244	S3 and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 11:31
S3	314	acrylamine	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 11:31
S6	1	"3673251".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 11:33
S5	16	S4 and succinimide	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:04
S7	0	S4 and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:25
S10	48	acrylated and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:26
S8	8	acrylonitrile and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:26
S13	418	S11 and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:27
S12	33	S10 and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:27
S14	5	acrylonitrile with succinic and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 15:53
S15	6	acrylonitrile with succinimide and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 15:54
S16	1	"4081388".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 16:23
S18	2	"2326721".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 16:24
S17	2	"2321726".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 16:24

## EAST Search History

S20	1	("4081388").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 11:14
S22	1232	S21 and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 11:44
S21	18214	(ethylene adj propylene adj copolymer) and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 11:44
S24	267	S23 and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 11:45
S26	202	S25 and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 11:46
S25	341	(ethylene adj propylene adj copolymer) with (amine or polyamine) and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 11:46
S23	331	(ethylene adj propylene adj copolymer) with dispersant and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 11:46
S27	100	S26 not S24	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 11:51
S28	1	"4735736".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 12:14
S29	193	"44".clas. and dispersant and barrels and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 12:15
S19	1	"5652201".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 13:08
S30	1	"4971598".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 14:30
S31	0	"588947".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 14:31
S32	1	"5888947".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 15:40
S33	1	"6427647".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/22 16:03

## EAST Search History

S34	1	succinimide and (untreated adj amine) and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/25 09:10
S37	187	S36 and ("at least one")	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/25 09:11
S35	8	succinimide and (multiple adj amines) and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/25 09:11
S38	9	S36 and ("one or more")	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/25 09:14
S36	1839	succinimide and "508".clas. and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/25 09:18
S41	104	succinimide with polyamines and "508".clas. and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/25 09:19
S42	254	succinimides with polyamines and "508".clas. and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/25 10:11
S43	2	"3219666".pn.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/25 12:08
S45	30	508/291.ccls. and acrylonitrile and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/25 12:09
S46	1	"20050181959".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/30 14:19
S1	1	"5397489".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/30 14:19
S9	1109	acrylonitrile and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/04 10:51
S48	1116	acrylonitrile and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/04 10:52
S50	0	S48 and (aminopropyldiethanolamine or aminoethylethanolamine)	EPO; JPO; DERWENT	AND	ON	2007/06/04 10:53
S49	8	S48 and (aminopropyldiethanolamine or aminoethylethanolamine)	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/04 10:53
S51	49	acrylated and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/04 10:54

## EAST Search History

S52	2	(acrylonitrile or acrylated) with succini\$5 and "508".clas. and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/04 10:55
S11	504	(S9 or S10) and succini\$5	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/04 10:55
S54	1	S53 and acrylonitrile	USPAT	AND	ON	2007/06/04 11:00
S53	16	("4199462").URPN.	USPAT	AND	ON	2007/06/04 11:00
S58	1	S57 not S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/06/04 11:01
S55	12	S53 and soula	USPAT	AND	ON	2007/06/04 11:01
S60	0	ca-2189071-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/06/04 14:48
S59	1	"5652201".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/04 14:48
S63	107	gutierrez.in. and emert.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/06/04 14:49
S62	0	"derivatives of polyamines".ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/06/04 14:49
S61	7	"2189071".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/06/04 14:49
S64	15	S63 and gorda.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/06/04 14:50
S67	1	"5643859".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/15 14:45
S66	1	"4094802".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/15 14:45

## EAST Search History

S65	1	"4250045".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/15 15:25
S70	1	S69 and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/15 15:31
S69	88	S68 and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/15 15:31
S68	182	("aminoguanidine bicarbonate" or "diethylene triamine" or "triethylene tetramine" or "tetraethylene pentamine" or "pentaethylene hexamine" or (heavy adj polyamine)) with acrylonitrile	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/15 15:31
S72	1	S71 and acrylonitrile	USPAT	AND	ON	2007/08/15 15:38
S71	7	("4094802").URPN.	USPAT	AND	ON	2007/08/15 15:38
S74	30	S69 and (mannich or succin\$5)	USPAT	AND	ON	2007/08/15 15:41
S73	16	("4199462").URPN.	USPAT	AND	ON	2007/08/15 15:41
S57	39	cyanoethylat\$3 and "508".clas. and @ad<"20040217"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/15 16:36
S75	22	cyanoethylat\$3 with ("aminoguanidine bicarbonate" or "diethylene triamine" or "triethylene tetramine" or "tetraethylene pentamine" or "pentaethylene hexamine" or (heavy adj polyamine)) and @ad<"20040217"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/15 16:46
S56	38	cyanoethylat\$3 and "508".clas. and @ad<"20040217"	USPAT	AND	ON	2007/08/15 17:36
S77	47787	phenylenediamine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/15 17:52
S78	35623	S77 and @ad<"20040217"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/15 17:53
S79	19	phenylenediamine with cyanoethylat\$3	USPAT	AND	ON	2007/08/15 17:54
S76	26078	phenylenediamine	USPAT	AND	ON	2007/08/15 17:54

## EAST Search History

S80	23	phenylenediamine with cyanoethylat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/15 17:55
S81	39	cyanoethylat\$3 and "508".clas. and @ad<"20040217"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/08/15 17:56
S83	5	S82 and (acrylonitrile or \$4acrylonitrile)	USPAT	AND	ON	2007/08/15 18:06
S82	15	("4049716").URPN.	USPAT	AND	ON	2007/08/15 18:06
S84	14	("4153567").URPN.	USPAT	AND	ON	2007/08/15 19:02
S85	1	"5652201".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/16 13:14
L2	6	1 and barrels	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/16 15:22
L1	42	(dispersant adj viscosity adj index) and "44".clas. and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/16 15:22
L4	30	508/291.ccls. and acrylonitrile and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/08/16 16:05

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"5397489".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 11:24
S2	1	(acrylated adj amine) and succinimide	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 11:30
S4	244	S3 and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 11:31
S3	314	acrylamine	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 11:31
S6	1	"3673251".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 11:33
S5	16	S4 and succinimide	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:04
S7	0	S4 and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:25
S11	504	(S9 or S10) and succini\$5	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:26
S10	48	acrylated and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:26
S8	8	acrylonitrile and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:26
S13	418	S11 and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:27
S12	33	S10 and @ad<"20040217"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 12:27
S9	1109	acrylonitrile and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 15:12
S14	5	acrylonitrile with succinic and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 15:53
S15	6	acrylonitrile with succinimide and "508".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 15:54

## EAST Search History

S16	1	"4081388".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 16:23
S18	2	"2326721".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 16:24
S17	2	"2321726".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/21 16:24